

Please enter the Amendment after FINAL.
Thank you. Ro 7/24/2006

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A motor driver comprising:

plural-phase windings;

a plurality of transistors composed of a first group of transistors that operate as switches for supplying power from one terminal of a DC power unit to one end of each winding, and a second group of transistors that operate as switches for supplying power from another terminal of the DC power unit to another end of each winding;

a position detector operable to detect a rotational position of a rotor, based on a terminal voltage of each winding;

a current detector operable to output a current detection signal that is proportionate to a current supplied to the plural-phase windings;

a switching controller that includes

a forced-off signal generator operable to generate a forced-off signal that has a pulse width of a predetermined period duration in a predetermined cycle that corresponds at least to a clock, and a PWM signal generator operable to generate a basic PWM signal in accordance with a result of comparing the current detection signal and a speed command signal, and

is operable to generate a PWM signal by AND synthesizing the forced-off signal with the basic PWM signal; and